

Part 2 Model of the Earth

Materials:

Colored paper	Scissors	Ruler
Glue	Pencil	

Procedure:

- The crust of the Earth is made of many plates which "float" above mantle. The crust is thicker and lighter at the continents and thinner and denser at the ocean floor.
 - Cut out a blue 18 cm circle labeled 6-40 miles to represent the crust.
- The mantle lies below the crust. It is a thick layer of solid rock. Many scientists believe that the mantle transfers heat from the core to the surface.
 - Cut out a brown 14 cm circle labeled 1,800 miles to represent the mantle.
- The outer core is made of melted iron and nickel. It is much denser than the rock layers above it. The temperature of the outer core can range from 4000 to 9000 F.
 - Cut out a yellow 11 cm circle labeled 1,375 miles to represent the outer core.
- The inner core is made of solid iron and nickel. These materials sank to the center of the earth while it was still in a molten form.
 - Cut out a black 3 cm circle labeled 1,750 miles to represent the inner core.
- Use white construction paper for the background and label each circle at the top as it is glued to the background.

Diagrams from: <http://www.enchantedlearning.com/Home.html>